

Region 1 Fire Danger Outlook

5/14/20. Covering the period 5/14-5/20/2020

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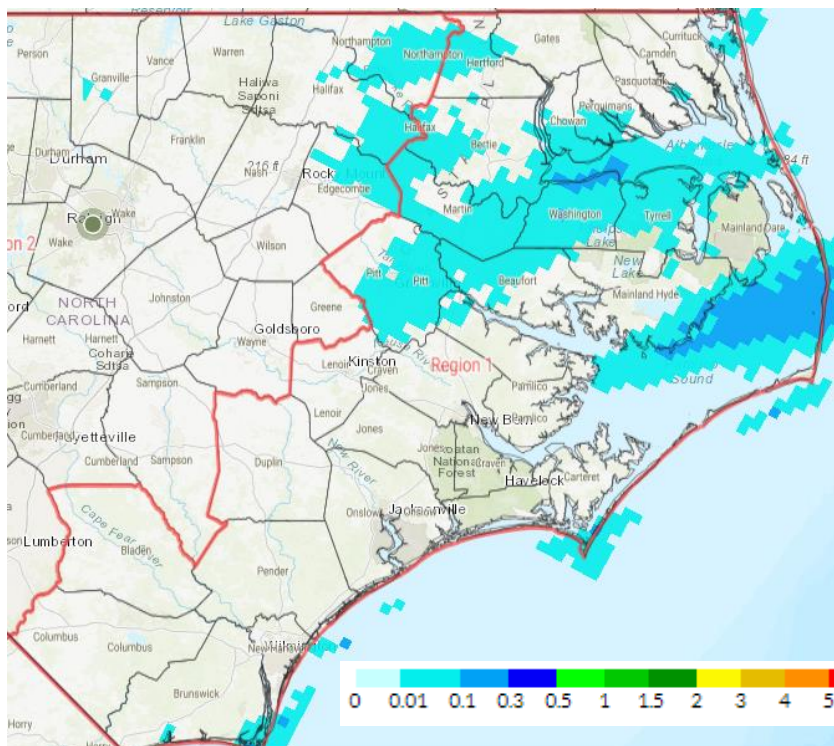
Weather Outlook

- High pressure will remain offshore today and be the dominant weather influencer through the weekend. Then as a tropical disturbance passes well offshore, an advancing cold front will cross the area from the west early next week. Low pressure will likely stall over the middle of the region thereafter, leading to unsettled conditions through the middle of the week. For May 21-27, there is a 33-40% chance of chance of **below** normal precipitation
- Minimum RH will in the 40s through Saturday. For the remainder of the period, expect mid-40s to mid-50s. Nighttime RH recovery should be excellent through the period.
- Winds will be S/SW at 5-10 MPH with gusts up to 20 MPH for today and tomorrow. For the remainder of the period, expect 5-10 MPH. Mixing heights for today and tomorrow will be 4,000-6,000 feet with transport winds S/SW at 9-16 MPH.
- High temperatures will be in the mid-70s to mid-80s today and tomorrow, with 80s through Monday and 70s for the remainder of the period. Lows will be in the upper 50s to mid-60s for the entire period. For May 21-27 there is a 40-60% chance of **above** normal temperatures.

Fire Activity (does not include federal ownership)

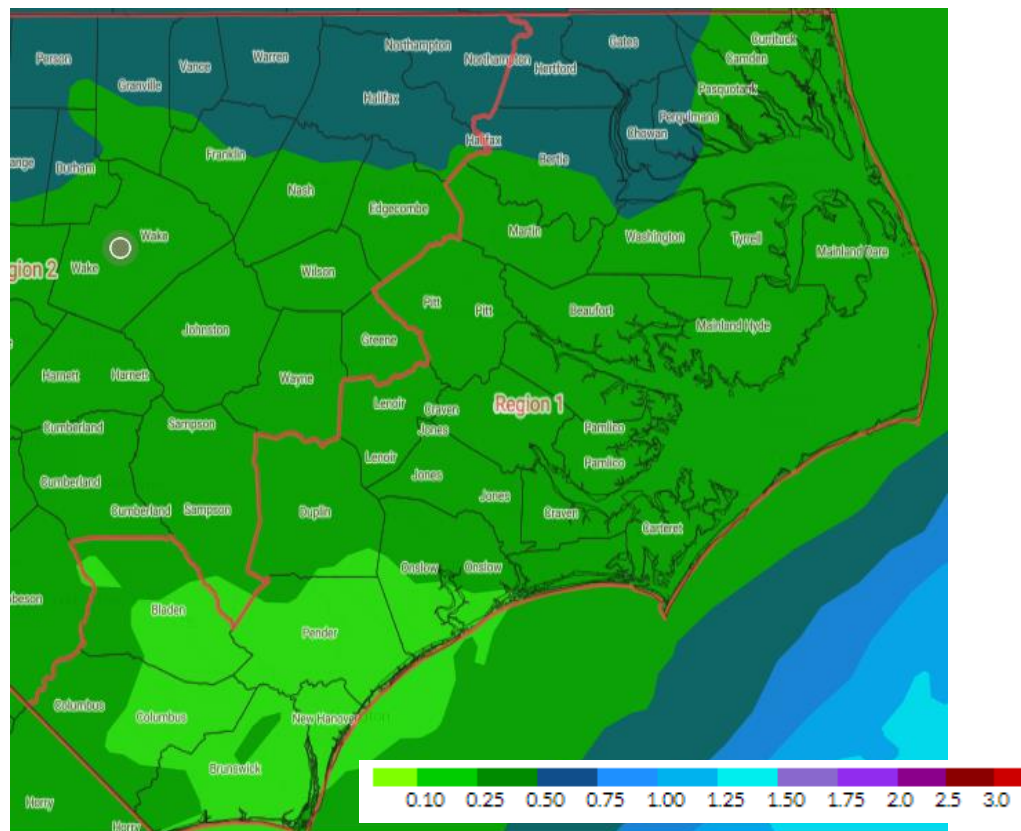
5/7/-5/13	Number	Acres
Wildfire	31	41
Prescribed Fire	1	70

Precipitation Estimates for May 7, 0800 to May 14, 0800



Really nothing over the past week.

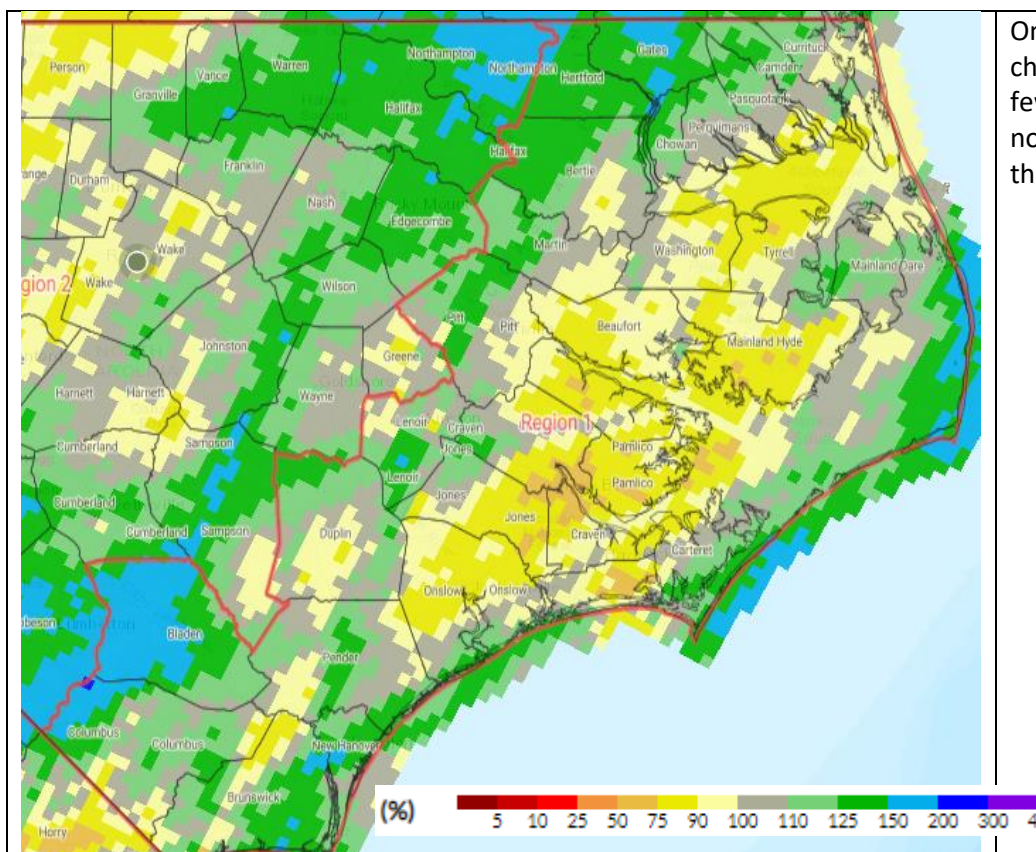
Forecast Precipitation, May 14, 0800 to May 21, 0800



Another below normal week ahead with much of the region forecast to receive less than $\frac{1}{2}$ ". This could increase depending on the track of the low currently developing off the Florida coast.

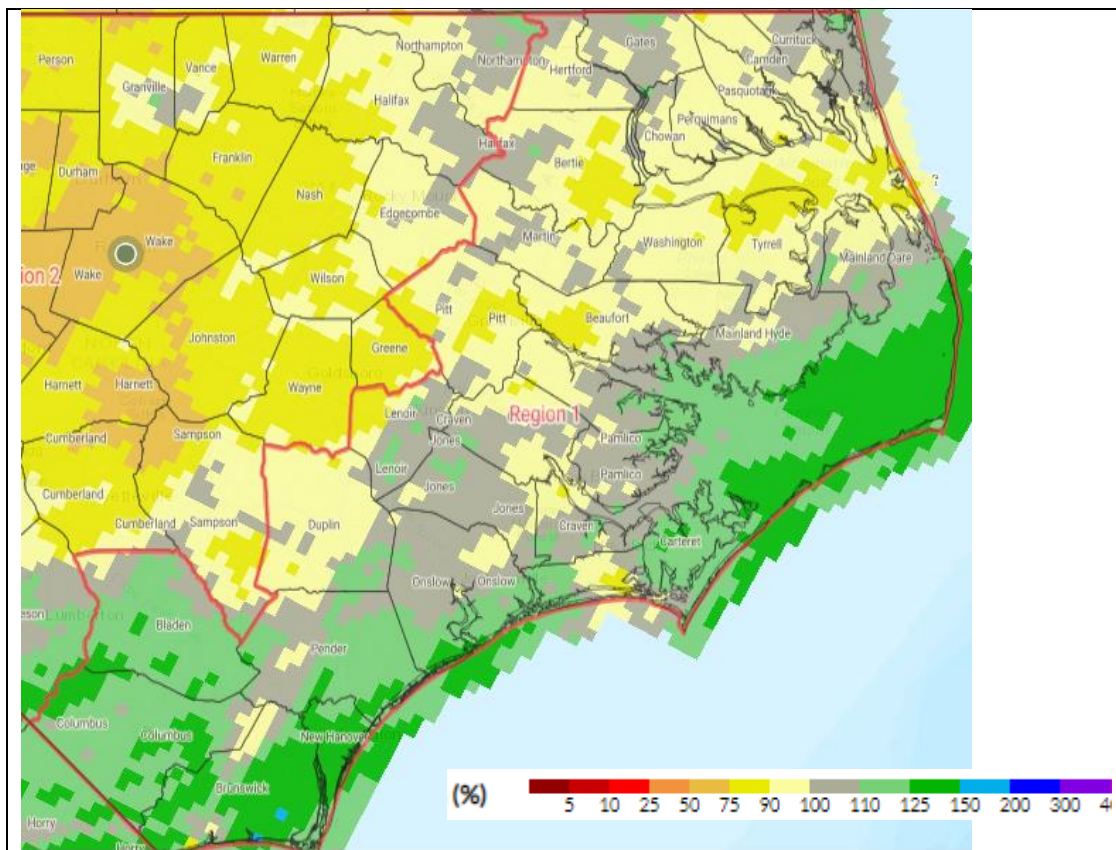
This is thunderstorm season which means that predicting rainfall amounts with much certainty over localized areas is very difficult.

30 Day Percent of Normal Precipitation, April 14-May 14



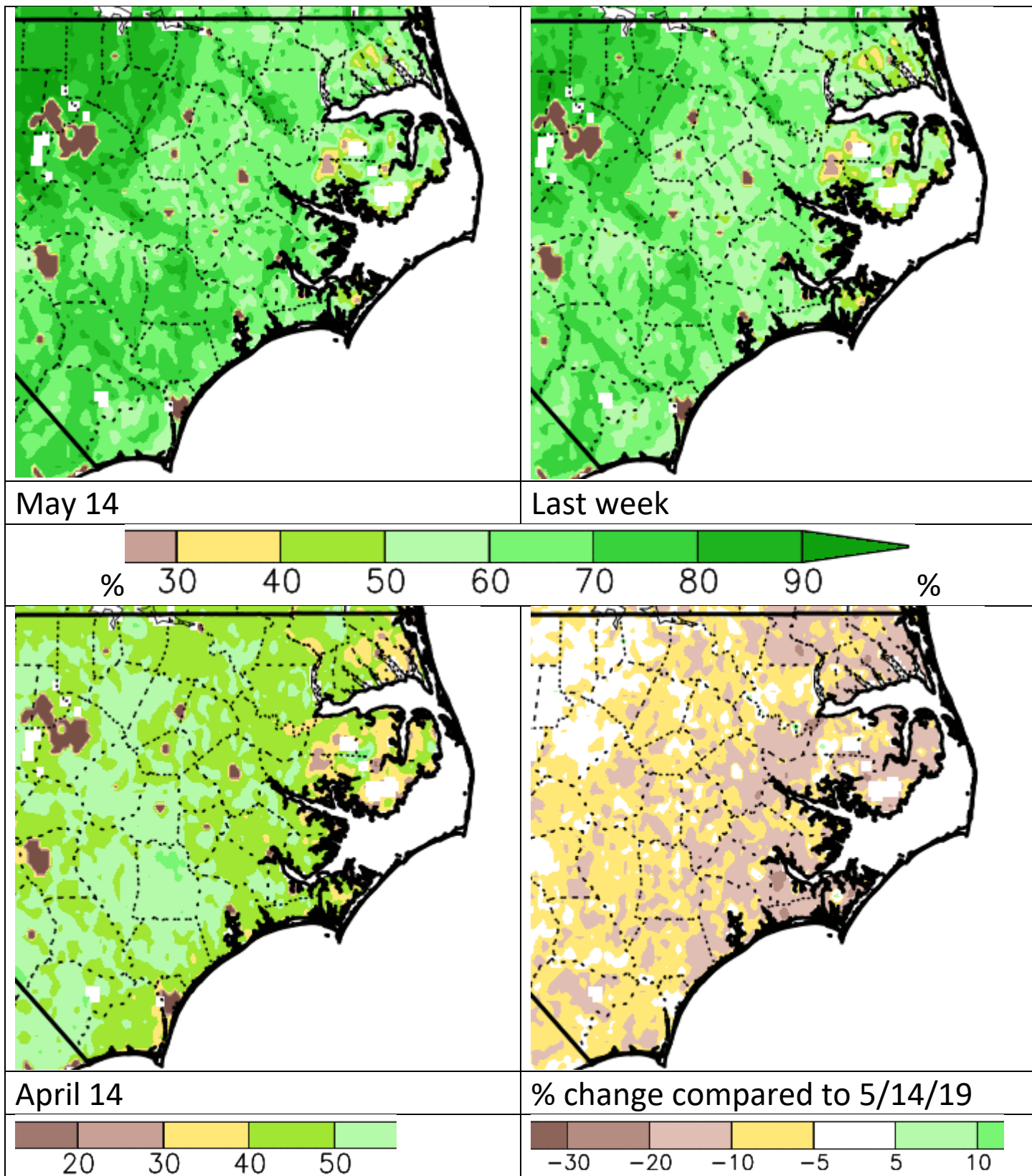
One week of no rain can certainly change the look of this map. A few places are flirting with 50% of normal for this time period, but that is still not a major concern.

90 Day Percent of Normal Precipitation, February 14-May 14



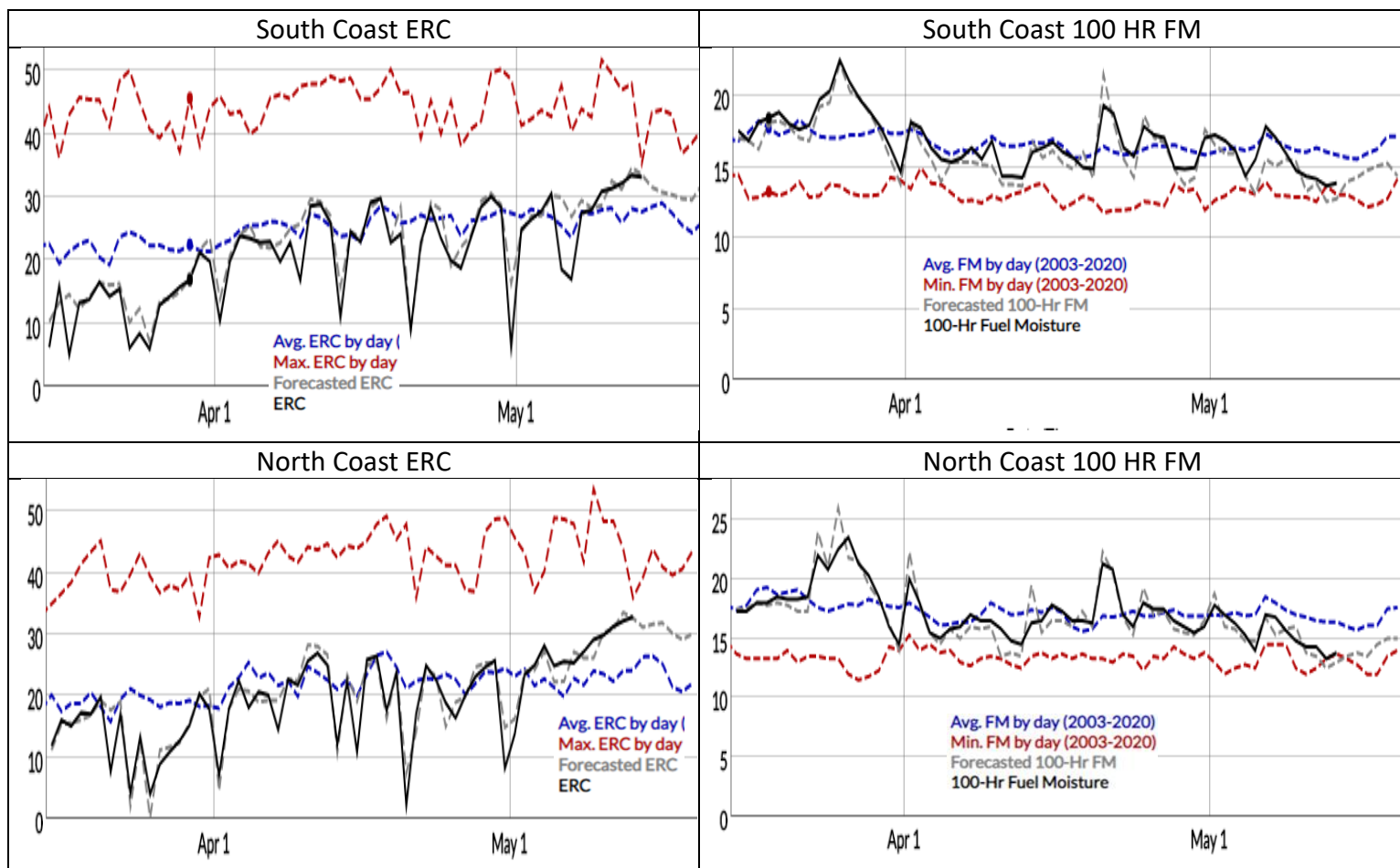
Worsening at this time scale too, but no areas below 80% of normal. Something to keep an eye on, but no concerns at this time.

Green Vegetation Fraction (%)



Greenness is increasing slowly. There are still a few agricultural areas north of the Pamlico that are not showing much greenness. These are likely row crops that are slow in developing due to cold weather. Look for greenness to increase over the next week as temperatures come back to more seasonable.

ERC and 100 HR FM Trends



ERCs will remain steady but above normal this week. 100 HR FMs are predicted to increase slowly but remain below normal.

A map of North Carolina showing its counties and major cities. A red outline highlights a specific region in the eastern part of the state, labeled 'Region 1'. The map includes labels for major cities like Charlotte, Raleigh, and Durham, as well as bodies of water like Lake Erie and Lake Ontario. The red outline covers parts of counties including Wayne, Jones, and others in the eastern part of the state.

Most reporting stations have dropped 1-3% in the past week. They are forecast to continue to drop this week with the average for each FDRA being at or below the all-time for the 2nd half of the period.

So how is that 100 HR FMs can increase while 1000 HR FMs decrease? Smaller fuels are more highly influenced by changes in RH or light rainfall amounts. The prediction for this coming week is higher RH and some light rain in a few areas. These changes will have much less effect on the 1000 HR fuels than the 100s.